

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/534,788A

Source: PCT
Date Processed by STIC: 06/06/2006

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. **EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)**
2. **U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314**

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 10/534,788A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 Wrapped Nucleic
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 Invalid Line Length The rules require that a line **not exceed** 72 characters in length. This includes white spaces.

3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.

4 Non-ASCII The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. **Please ensure your subsequent submission is saved in ASCII text.**

5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**

7 Skipped Sequences
(OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for **each** skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped
Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.

8 Skipped Sequences
(NEW RULES) Sequence(s) missing. If **intentional**, please insert the following lines for **each** skipped sequence.
<210> sequence id number
<400> sequence id number
000

9 Use of n's or Xaa's
(NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is **MANDATORY** if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10 Invalid <213>
Response Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence. (see item 11 below)

11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is **MANDATORY** if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules

12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 Misuse of n/Xaa "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



PCT

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/534,788A

DATE: 06/06/2006
 TIME: 10:58:58

Input Set : F:\VOSS007.txt
 Output Set: N:\CRF4\06062006\J534788A.raw

3 <110> APPLICANT: BAUERLE, PATRICK
 4 HOFFMANN, PATRICK
 5 WEINBERGER, SUSANNE
 6 KISCHEL, ROMAN
 8 <120> TITLE OF INVENTION: METHOD FOR IDENTIFYING ANTIGEN SPECIFIC B CELLS
 10 <130> FILE REFERENCE: VOSS:007US
 12 <140> CURRENT APPLICATION NUMBER: 10/534,788A
 13 <141> CURRENT FILING DATE: 2005-05-13
 15 <150> PRIOR APPLICATION NUMBER: PCT/EP2003/012664
 16 <151> PRIOR FILING DATE: 2003-11-12
 18 <160> NUMBER OF SEQ ID NOS: 89
 20 <170> SOFTWARE: PatentIn version 3.1
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 21
 24 <212> TYPE: DNA
 25 <213> ORGANISM: artificial sequence
 27 <220> FEATURE:
 28 <223> OTHER INFORMATION: mus musculus primer
 30 <400> SEQUENCE: 1
 31 actttcaaca cccccaggcat g 21
 34 <210> SEQ ID NO: 2
 35 <211> LENGTH: 23
 36 <212> TYPE: DNA
 37 <213> ORGANISM: artificial sequence
 39 <220> FEATURE:
 40 <223> OTHER INFORMATION: mus musculus primer
 42 <400> SEQUENCE: 2
 43 gctcggtcag gattttcatg agg 23
 46 <210> SEQ ID NO: 3
 47 <211> LENGTH: 20
 48 <212> TYPE: DNA
 49 <213> ORGANISM: artificial sequence
 51 <220> FEATURE:
 52 <223> OTHER INFORMATION: mus musculus primer
 54 <400> SEQUENCE: 3
 55 gctacacatt cagtagcttc 20
 58 <210> SEQ ID NO: 4
 59 <211> LENGTH: 20
 60 <212> TYPE: DNA
 61 <213> ORGANISM: artificial sequence
 63 <220> FEATURE:
 64 <223> OTHER INFORMATION: mus musculus primer
 66 <400> SEQUENCE: 4

Does Not Comply
 Corrected Diskette Needed
 (P15,2,6)

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/534,788A

DATE: 06/06/2006

TIME: 10:58:58

Input Set : F:\VOSS007.txt

Output Set: N:\CRF4\06062006\J534788A.raw

67 gtatggcatg tttaccatcg 20
 70 <210> SEQ ID NO: 5
 71 <211> LENGTH: 20
 72 <212> TYPE: DNA
 73 <213> ORGANISM: artificial sequence
 75 <220> FEATURE:
 76 <223> OTHER INFORMATION: mus musculus primer
 78 <400> SEQUENCE: 5
 79 tcagtagctt ctggatagag 20
 82 <210> SEQ ID NO: 6
 83 <211> LENGTH: 26
 84 <212> TYPE: DNA
 C--> 85 <213> ORGANISM: artificial primer → Pls correct as
 87 <220> FEATURE:
 88 <223> OTHER INFORMATION: mus musculus primer
 90 <400> SEQUENCE: 6
 91 gtatggcatg tttaccatcg tattac 26
 94 <210> SEQ ID NO: 7
 95 <211> LENGTH: 20
 96 <212> TYPE: DNA
 97 <213> ORGANISM: artificial sequence
 99 <220> FEATURE:
 100 <223> OTHER INFORMATION: mus musculus primer
 102 <400> SEQUENCE: 7
 103 gttacaattt ctccgacaag 20
 106 <210> SEQ ID NO: 8
 107 <211> LENGTH: 20
 108 <212> TYPE: DNA
 109 <213> ORGANISM: artificial sequence
 111 <220> FEATURE:
 112 <223> OTHER INFORMATION: mus musculus primer
 114 <400> SEQUENCE: 8
 115 gtcgcaggcg gaataatcac 20
 118 <210> SEQ ID NO: 9
 119 <211> LENGTH: 20
 120 <212> TYPE: DNA
 121 <213> ORGANISM: artificial sequence
 123 <220> FEATURE:
 124 <223> OTHER INFORMATION: mus musculus primer
 126 <400> SEQUENCE: 9
 127 tctccgacaa gtggattcac 20
 130 <210> SEQ ID NO: 10
 131 <211> LENGTH: 20
 132 <212> TYPE: DNA
 133 <213> ORGANISM: artificial sequence
 135 <220> FEATURE:
 136 <223> OTHER INFORMATION: mus musculus primer
 138 <400> SEQUENCE: 10
 139 gcaggcggaa taatcacccg 20

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/534,788A

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Input Set : F:\VOSS007.txt

Output Set: N:\CRF4\06062006\J534788A.raw

142 <210> SEQ ID NO: 11
143 <211> LENGTH: 21
144 <212> TYPE: DNA
145 <213> ORGANISM: artificial sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: homo sapiens primer
150 <400> SEQUENCE: 11
151 tggcagatga gcttggactt g 21
154 <210> SEQ ID NO: 12
155 <211> LENGTH: 21
156 <212> TYPE: DNA
157 <213> ORGANISM: artificial sequence
159 <220> FEATURE:
160 <223> OTHER INFORMATION: homo sapiens primer
162 <400> SEQUENCE: 12
163 acactctccc ctgttgaagc t 21
166 <210> SEQ ID NO: 13
167 <211> LENGTH: 20
168 <212> TYPE: DNA
169 <213> ORGANISM: artificial sequence
171 <220> FEATURE:
172 <223> OTHER INFORMATION: homo sapiens primer
174 <400> SEQUENCE: 13
175 gtgctccctt catgcgtgac 20
178 <210> SEQ ID NO: 14
179 <211> LENGTH: 21
180 <212> TYPE: DNA
181 <213> ORGANISM: artificial sequence
183 <220> FEATURE:
184 <223> OTHER INFORMATION: homo sapiens primer
186 <400> SEQUENCE: 14
187 actcgtaata ctcctgcttg c 21
190 <210> SEQ ID NO: 15
191 <211> LENGTH: 24
192 <212> TYPE: DNA
193 <213> ORGANISM: artificial sequence
195 <220> FEATURE:
196 <223> OTHER INFORMATION: homo sapiens primer
198 <400> SEQUENCE: 15
199 tgaagaggc acgttctttt cttt 24
202 <210> SEQ ID NO: 16
203 <211> LENGTH: 20
204 <212> TYPE: DNA
205 <213> ORGANISM: artificial sequence
207 <220> FEATURE:
208 <223> OTHER INFORMATION: homo sapiens primer
210 <400> SEQUENCE: 16
211 agttacccga ttggagggcg 20
214 <210> SEQ ID NO: 17

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/534,788A

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TIME: 10:58:58

Input Set : F:\VOSS007.txt

Output Set: N:\CRF4\06062006\J534788A.raw

215 <211> LENGTH: 19
 216 <212> TYPE: DNA
 217 <213> ORGANISM: artificial sequence
 219 <220> FEATURE:
 220 <223> OTHER INFORMATION: homo sapiens primer
 222 <400> SEQUENCE: 17
 223 cttccaggc cactgtcac 19
 226 <210> SEQ ID NO: 18
 227 <211> LENGTH: 20
 228 <212> TYPE: DNA
 229 <213> ORGANISM: artificial sequence
 231 <220> FEATURE:
 232 <223> OTHER INFORMATION: homo sapiens primer
 234 <400> SEQUENCE: 18
 235 gtggggcgcc ccaggcacca 20
 238 <210> SEQ ID NO: 19
 239 <211> LENGTH: 23
 240 <212> TYPE: DNA
 241 <213> ORGANISM: artificial sequence
 243 <220> FEATURE:
 244 <223> OTHER INFORMATION: homo sapiens primer
 246 <400> SEQUENCE: 19
 247 gatggaggcg gcgatccaca cg 23
 250 <210> SEQ ID NO: 20
 251 <211> LENGTH: 23
 252 <212> TYPE: DNA
 253 <213> ORGANISM: artificial sequence
 255 <220> FEATURE:
 256 <223> OTHER INFORMATION: homo sapiens primer
 258 <400> SEQUENCE: 20
 259 cagrtgcagc tggtgcartc tgg 23
 262 <210> SEQ ID NO: 21
 263 <211> LENGTH: 23
 264 <212> TYPE: DNA
 265 <213> ORGANISM: artificial sequence
 267 <220> FEATURE:
 268 <223> OTHER INFORMATION: homo sapiens primer
 270 <400> SEQUENCE: 21
 271 saggtccagc tggtrcagtc tgg 23
 274 <210> SEQ ID NO: 22
 275 <211> LENGTH: 23
 276 <212> TYPE: DNA
 277 <213> ORGANISM: artificial sequence
 279 <220> FEATURE:
 280 <223> OTHER INFORMATION: homo sapiens primer
 282 <400> SEQUENCE: 22
 283 caggtccagc ttgtacagtc tgg 23
 286 <210> SEQ ID NO: 23
 287 <211> LENGTH: 23

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/534,788A

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TIME: 10:58:58

Input Set : F:\VOSS007.txt
Output Set: N:\CRF4\06062006\J534788A.raw

288 <212> TYPE: DNA
289 <213> ORGANISM: artificial sequence
291 <220> FEATURE:
292 <223> OTHER INFORMATION: homo sapiens primer
294 <400> SEQUENCE: 23
295 sagrtcacct tgaaggagtc tgg 23
298 <210> SEQ ID NO: 24
299 <211> LENGTH: 23
300 <212> TYPE: DNA
301 <213> ORGANISM: artificial sequence
303 <220> FEATURE:
304 <223> OTHER INFORMATION: homo sapiens primer
306 <400> SEQUENCE: 24
307 saggtgcagc tggtgagtc tgg 23
310 <210> SEQ ID NO: 25
311 <211> LENGTH: 23
312 <212> TYPE: DNA
313 <213> ORGANISM: artificial sequence
315 <220> FEATURE:
316 <223> OTHER INFORMATION: homo sapiens primer
318 <400> SEQUENCE: 25
319 gaggtgcagc tgktggagwc ygg 23
322 <210> SEQ ID NO: 26
323 <211> LENGTH: 23
324 <212> TYPE: DNA
325 <213> ORGANISM: artificial sequence
327 <220> FEATURE:
328 <223> OTHER INFORMATION: homo sapiens primer
330 <400> SEQUENCE: 26
331 cagctgcagc tacagcagtg ggg 23
334 <210> SEQ ID NO: 27
335 <211> LENGTH: 23
336 <212> TYPE: DNA
337 <213> ORGANISM: artificial sequence
339 <220> FEATURE:
340 <223> OTHER INFORMATION: homo sapiens primer
342 <400> SEQUENCE: 27
343 cagstgcagc tgcaggagtc sgg 23
346 <210> SEQ ID NO: 28
347 <211> LENGTH: 23
348 <212> TYPE: DNA
349 <213> ORGANISM: artificial sequence
351 <220> FEATURE:
352 <223> OTHER INFORMATION: homo sapiens primer
354 <400> SEQUENCE: 28
355 gargetgcagc tggtgagtc tgg 23
358 <210> SEQ ID NO: 29
359 <211> LENGTH: 23
360 <212> TYPE: DNA

<210> SEQ ID NO 56
<211> LENGTH: 31
<212> TYPE: DNA
<213> ORGANISM: artificial sequence
<220> FEATURE:
<223> OTHER INFORMATION: homo sapiens primer
<220> FEATURE:
<221> NAME/KEY: misc_feature
<222> LOCATION: (31)..(31)
<223> OTHER INFORMATION: n denotes a variable number of nucleotides which are part of the sequence of specific VL clones
<400> SEQUENCE: 56
ggagccgccc cgcgcagaac caccaccacc n

n Can Represent only single nucleotide
see Item 13 on Error

31 Summary Sheet.

The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 06/06/2006
PATENT APPLICATION: US/10/534,788A TIME: 10:58:59

Input Set : F:\VOSS007.txt
Output Set: N:\CRF4\06062006\J534788A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:56; N Pos. 31

Seq#:57; N Pos. 34

VERIFICATION SUMMARY DATE: 06/06/2006
PATENT APPLICATION: US/10/534,788A TIME: 10:58:59

Input Set : F:\VOSS007.txt
Output Set: N:\CRF4\06062006\J534788A.raw

L:85 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:6
L:517 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:42
L:698 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:0
L:717 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:0